Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/06/2015 11:02 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123404	-2	3.15	123168	3.15
Blue	F	SSC	125000	124424	-1	2.97	125254	2.68
Blue	E	FITC	17998	17354	-4	2.50	974	9.21
Blue	D	PE	23234	22884	-2	2.07	1026	8.24
Blue	B	PerCP-Cy5-5	69571	68608	-2	2.89	1832	13.47
Blue	A	PE-Cy7	77815	76789	-2	4.03	1031	25.44
Red	C	APC	65936	64722	-2	2.51	3639	8.00
Red	A	APC-Cy7	100669	101890	1	2.57	2126	7.67
Violet	B	V450	10405	9762	-7	3.38	601	8.28
Violet	A	V500	47250	45882	-3	3.07	2578	5.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18719	15.83	613	34	N/A	N/A	Pass
Blue	F	SSC	62088	1.53	523	34	N/A	N/A	Pass
Blue	E	FITC	104	34.59	535	20	0.0231	5	Pass
Blue	D	PE	211	24.44	529	22	0.1654	118	Pass
Blue	B	PerCP-Cy5-5	220	40.79	618	28	0.0106	9	Pass
Blue	A	PE-Cy7	74	106.56	678	32	0.0140	20	Pass
Red	C	APC	339	25.89	583	5	0.0219	7	Pass
Red	A	APC-Cy7	133	35.87	568	9	0.0048	669	Pass
Violet	B	V450	63	43.99	467	17	0.0438	1877	Pass
Violet	A	V500	167	22.33	508	20	0.0138	198	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.82	-31.54	0.70
Blue	20.47	16.35 - 24.53	1.24	1.00 - 1.50	0.00	0.00	1.16
Red	15.83	13.09 - 19.63	N/A	N/A	31.91	32.20	1.08

Window Extension: 7.00
FSC Area Scaling Factor: 0.83

Threshold

Threshold (FSC): 13344

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments